ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಯಲಹಂಕ ವಲಯ

ತಾಂತ್ರಿಕ ವಿಭಾಗ: ಬ್ಯಾಟರಾಯನಪುರ

ತಾಂತ್ರಿಕ ಉಪವಿಭಾಗ: ಬ್ಯಾಟರಾಯನಪುರ

Name of work: Modified Estimate for the Work of Improvements to Roads and Drains at Anjanadri layout in Ward No.06, Byatarayanapura Sub Division

Estimate Cost	**12.00 Lakhs**
Modified Estimate Cost:	**1252565.74**
Work Code:	**006-12-000036**

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Modified Estimate for the Work of Improvements to Roads and Drains at Anjanadri layout in Ward No.06, Byatarayanapura Sub Division

								Estimate Cost Rs.	1252565.74
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2011-12	cum							
	Church Street Main Road (Anjanadri Layout)		1	180.00	6.50	0.20	234.00		
	Cross Road Left Side		3	100.00	5.20	0.20	312.00		
							546.00		
	As per Tender Qty 909.00						**546.00**	TR 126.95	**69314.70**
	Basic Rate	112.00							
	Area Weightage @ 8%	8.96							
	Total	**120.96**							
	(4.95%) Add Tener Primium	5.99	4.95						
		126.95							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2011-12	Cum							
	Church Street Main Road (Anjanadri Layout)		1	180.00	0.75	0.60	81.00		
	Cross Road Left Side		3	100.00	0.75	0.60	135.00		
	Culvert		2	7.20	1.85	1.05	27.97		
							243.97		
	As per Tender Qty 424.55						**243.97**	TR 227.83	55584.1
	Basic Rate	201.00							
	Area Weightage @ 8%	16.08							
	Total	**217.08**							
	Add Tener Primium	10.75							
		227.83							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2011-12	Cum							
			2X2	7.20	0.50	0.40	5.76		
							5.76		
	As per Tender Qty12.48						**5.76**	TR 3453.65	19893.02
	Basic Rate	3047.00							
	Area Weightage @ 8%	243.76							
	Total	**3290.76**							
	Add Tener Primium	162.89							
		3453.65							
7	KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix **M15** withOPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ P.No. 12/ Item No. 4.6/ PWD SR 2011-12	Cum							
			2X2	7.20	0.50	0.10	1.44		
							1.44		
	As per Tender Qty3.12						**1.44**	TR 4683.23	6743.85
	Basic Rate	4131.80							
	Area Weightage @ 8%	330.54							
	Total	**4462.34**							
	Add Tener Primium	220.89							
		4683.23							
8	KSRB 15.2.1: Providing **flush pointing** to stone slab pavements, with cement mortar 1:3, after raking joints, nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 119/ Item No. 15.7/ PWD SR 2011-12	Sqm							
			2X2	7.20	0.40		11.52		
	As per Tender Qty 24.96						**11.52**	TR 28.02	322.79
	Basic Rate	24.72							
	Area Weightage @ 8%	1.98							
	Total	**26.70**							
	Add Tener Primium	1.32							
		28.02							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2011-12**	**Cum**							
			2	7.20	1.65	0.20	4.75		
	As per Tender Qty 10.30						**4.75**	TR 5558.94	**26416.08**
	Basic Rate	4904.40							
	Area Weightage @ 8%	392.35							
	Total	**5296.75**							
	Add Tener Primium	262.19							
		5558.94							
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2011-	**Qtl**							
	100 KG/Cum		1.00	4.75			**4.75**		
	As per Tender Qty 10.30						**4.75**	TR 7711.54	**36645.24**
	Basic Rate	6803.54							
	Area Weightage @ 8%	544.28							
	Total	**7347.82**							
	Add Tener Primium	363.72							
		7711.54							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2011-12**	**Cum**							
			2	7.20	1.65	0.20	4.75		
	As per Tender Qty 10.30						**4.75**	TR 5558.94	**26416.08**
	Basic Rate	4904.40							
	Area Weightage @ 8%	392.35							
	Total	**5296.75**							
	Add Tener Primium	262.19							
		5558.94							
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2011-	**Qtl**							
	100 KG/Cum		1.00	4.75			**4.75**		
	As per Tender Qty 10.30						**4.75**	TR 7711.54	**36645.24**
	Basic Rate	6803.54							
	Area Weightage @ 8%	544.28							
	Total	**7347.82**							
	Add Tener Primium	363.72							
		7711.54							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRRB M300-53: construction of **embankment** with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2011-12	**Cum**							
	Church Street Main Road (Anjanadri Layout)		1	180.00	6.50	0.20	234.00		
	Cross Road Left Side		3	100.00	5.20	0.20	312.00		
							546.00		
							546.00	TR 154.15	**84165.90**
	As per Tender Qty 725.50								
	Basic Rate	136.00							
	Area Weightage @ 8%	10.88							
	Total	**146.88**							
	Add Tener Primium	7.27							
		154.15							
12	KSRRB M400-14.2: Providing, laying, spreading and compacting stone aggregates of specific size to water bound macadam specifications. Including spreading in uniform thickness, hand packing, rolling with 3-whelled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per specifications. B by mechanical means, MORTH specification No. 404, Crushable type such as moorum or gravel for **grading II** , No. 166/ Item No. 20.15.2/ PWD SR 2011.12	**Cum**							
	Church Street Main Road (Anjanadri Layout)		1	180.00	6.50	0.10	117.00		
	Cross Road Left Side		3	100.00	5.20	0.10	156.00		
							273.00		
	As per Tender Qty 117.00						**146.25**	TR 1125.53	**164608.76**
	Up to 125% Qty = 146.25						**126.75**	TR 1125.53	**142660.93**
	Above 125% Qty								
	Basic Rate	993.00							
	Area Weightage @ 8%	79.44							
	Total	**1072.44**							
	Add Tener Primium	53.09							
		1125.53							
	Extra Item								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	KSRRB M400-14.2: Providing, laying, spreading and compacting stone aggregates of specific size to water bound macadam specifications. Including spreading in uniform thickness, hand packing, rolling with 3-whelled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per specifications. B by mechanical means, MORTH specification No. 404, Crushable type such as moorum or gravel for **grading III** , No. 166/ Item No. 20.15.3/ PWD SR 2011.12 12-13								
	Church Street Main Road (Anjanadri Layout)		1	180.00	6.50	0.075	87.75		279 287.19
	Cross Road Left Side		3	100.00	5.20	0.075	117.00		
							204.75	1366.20	**279729.00**
	Basic Rate	1265.00 1263.0							
	Area Weightage @ 8%	101.20 101.04						1364.04	
	Total	**1366.20** 1364.04							
15	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum						72.70.	
			Qty. Vide Item No. 1+2				**789.97**	67.32	**53181.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading 12-13	62.20	~				limited to 737.44		53612.28
	Total	**67.32**	~						
	8% Lot.	5.38							
		72.70							
								Total	**1252565.74**

(Rupees Tweleve Lakhs Fifty Two Thousand Five Hundred Sixty Five and Paise Seventy Four Only)

1 **Estimate Sanction amount Rs =1200000.00**
2 **Tender Agriment Amount Rs =1254497.39**
3 **Tender Primioum Above 4.95%**

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ.ಬ.ಮಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

"Approved"
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-97

BRUHAT BENAGLORE MAHANAGARA PALLIKE , YELAHANKA ZONE BANGALROE

Comparative Statement

Tender Notification No:EE/BTP/BBMP/E-Tnd/LOA/02/36/2012-13 Dated: 28-08-2012

Sl No	Description	Unit	As per Sanctioned Estimate			As per Approved Qnatity			As per Actual Tender Rate And Quantity			Up to 125% Tender Quntity			Above 125% Tender Quntity			As per Actual Total Amount	Exess	Savenings	Remaks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount				
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD	cum	909.00	120.96	**109952.64**	909.00	126.95	**115397.55**	546.00	126.95	**69314.70**	546.00	126.95	**69314.70**	–	–	–	**69314.70**	–	46082.85	
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2011-12	Cum	424.55	217.08	**92161.31**	424.55	227.83	**96725.23**	243.97	227.83	**55583.69**	243.97	227.83	**55583.69**	–	–	–	**55583.69**	–	41141.54	
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete Page No. 28/ Item No. 5.31 / PWD SR 2011-12	Sqm	1500.75	332.37	**498804.28**	1500.75	348.82	**523495.09**	792.00	348.82	**276267.27**	792.00	348.82	**276267.27**	–	–	–	**276267.27**	–	247227.82	
4	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2011-12	Cum	8.66	3939.41	**34107.00**	8.66	4134.41	**35804.00**	4.00	4134.41	**16537.64**	4.00	4134.41	**16537.64**	–	–	–	**16537.64**	–	19266.35	
5	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry **in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2011-12	Cum	14.98	2827.87	**42361.49**	14.98	2967.85	**44458.39**	6.91	2967.85	**20507.84**	6.91	2967.85	**20507.84**	–	–	–	**20507.84**	–	23950.55	
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2011-12	Cum	12.48	3290.76	**41068.68**	12.48	3453.65	**43101.58**	5.76	3453.65	**19893.04**	5.76	3453.65	**19893.04**	–	–	–	**19893.04**	–	23208.55	
7	KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix **M15** withOPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ P.No. 12/ Item No. 4.6/ PWD SR 2011-12	Cum	3.12	4462.34	**13922.50**	3.12	4683.23	**14611.66**	1.44	4683.23	**6743.85**	1.44	4683.23	**6743.85**	–	–	–	**6743.85**	–	7867.82	

8	KSRB 15.2.1: Providing **flush pointing** to stone slab pavements, with cement mortar 1:3, after raking joints, nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 119/ Item No. 15.7/ PWD SR 2011-12	Sqm	24.96	26.70	**666.43**	24.96	28.02	**699.42**	11.52	28.02	**322.81**	11.52	28.02	**322.81**	–	–	–	**322.81**	–	376.61	
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2011-12**	Cum	10.30	5296.75	**54556.53**	10.30	5558.94	**57257.07**	4.75	5558.94	**26404.96**	4.75	5558.94	**26404.96**	–	–	–	**26404.96**	–	30852.11	
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2011-12	Qtl	10.30	7347.82	**75682.55**	10.30	7711.54	**79428.83**	4.75	7711.54	**36629.80**	4.75	7711.54	**36629.80**	–	–	–	**36629.80**	–	42799.03	
11	KSRRB M300-53: construction of **embankment** with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2011-12	Cum	725.50	146.88	**106561.44**	725.50	154.15	**111836.23**	546.00	154.15	**84166.21**	546.00	154.15	**84166.21**	–	–	–	**84166.21**	–	27670.03	
12	KSRRB M400-14.2: Providing, laying, spreading and compacting stone aggregates of specific size to water bound macadam specifications. Including spreading in uniform thickness, hand packing, rolling with 3-whelled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per specifications. B by mechanical means, MORTH specification No. 404, Crushable type such as moorum or gravel for **grading II** , No. 166/ Item No. 20.15.2/ PWD SR 2011.12	Cum	117.00	1072.44	**125475.48**	117.00	1125.53	**131686.52**	273.00	1125.53	**307268.54**	146.25	1125.53	**164608.76**	136.75	1125.53	142660.93	**307269.69**	175583.17		

13	KSRRB M400.14.2: Providing, laying, spreading and compacting stone aggregates of specific size to water bound macadam specifications, including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per specifications. B by mechanical means, MORTH specification No. 404, Crushable type such as moorum or gravel for **grading III** , No. 166/ Item No. 20.15 S/ PWD SR 2011.12	Cum	–	–	–	–	–	–	204.75	1366.20	**279729.45**	204.75	1366.20	**279729.45**	–	–	–	279729.45	279729.45	–	
14	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum	–	–	–	–	–	–	789.97	67.32	**53180.78**	789.97	67.32	**53180.78**	–	–	–	53180.78	53180.78		
	Total				**1199089.00**			**1254497.39**			**1252565.74**			**1109890.80**			**142674.94**	**1252551.72**	**508493.40**	**510443.25**	**1949.85**

AE-06
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24

ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ,
ಬೃ.ಬೆ.ಮ.ಪಾ. ಯಲಹಂಕ ವಲಯ
ಸಹಕಾರನಗರ, ಬೆಂಗಳೂರು-92.

"Approved"
ಮುಖ್ಯ ಅಭಿಯಂತರರು 13
ಯಲಹಂಕ ವಲಯ
ಬೃ ಬ ಪ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-92